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## LenComp



Length comps, retained, VIDEO.

'N adj.' is the input sample size after data-weighting adjustment. N eff. is the calculated effective sample size used in the McAllister-Iannelli tuning method.

*file:* [*comp\_lenfit\_flt10mkt2.png*](http://docs.google.com/comp_lenfit_flt10mkt2.png)

**

Pearson residuals, retained, VIDEO (max=3.51)

Closed bubbles are positive residuals (observed > expected) and open bubbles are negative residuals (observed < expected).

*file:* [*comp\_lenfit\_residsflt10mkt2.png*](http://docs.google.com/comp_lenfit_residsflt10mkt2.png)

**

N-EffN comparison, Length comps, retained, VIDEO

*file:* [*comp\_lenfit\_sampsize\_flt10mkt2.png*](http://docs.google.com/comp_lenfit_sampsize_flt10mkt2.png)

**

Mean length for VIDEO with 95% confidence intervals based on current samples sizes.

Francis data weighting method TA1.8: thinner intervals (with capped ends) show result of further adjusting sample sizes based on suggested multiplier (with 95% interval) for len data from VIDEO:

1.0065 (0.6658-2.209)

For more info, see

Francis, R.I.C.C. (2011). Data weighting in statistical fisheries stock assessment models. *Can. J. Fish. Aquat. Sci.* 68: 1124-1138. <https://doi.org/10.1139/f2011-025>

*file:* [*comp\_lenfit\_data\_weighting\_TA1.8\_VIDEO.png*](http://docs.google.com/comp_lenfit_data_weighting_TA1.8_VIDEO.png)

**

Length comps, retained, SEAMAP.

'N adj.' is the input sample size after data-weighting adjustment. N eff. is the calculated effective sample size used in the McAllister-Iannelli tuning method.

*file:* [*comp\_lenfit\_flt11mkt2.png*](http://docs.google.com/comp_lenfit_flt11mkt2.png)

**

Pearson residuals, retained, SEAMAP (max=8.8)

Closed bubbles are positive residuals (observed > expected) and open bubbles are negative residuals (observed < expected).

*file:* [*comp\_lenfit\_residsflt11mkt2.png*](http://docs.google.com/comp_lenfit_residsflt11mkt2.png)

**

N-EffN comparison, Length comps, retained, SEAMAP

*file:* [*comp\_lenfit\_sampsize\_flt11mkt2.png*](http://docs.google.com/comp_lenfit_sampsize_flt11mkt2.png)

**

Mean length for SEAMAP with 95% confidence intervals based on current samples sizes.

Francis data weighting method TA1.8: thinner intervals (with capped ends) show result of further adjusting sample sizes based on suggested multiplier (with 95% interval) for len data from SEAMAP:

0.9548 (0.6716-7.2031)

For more info, see

Francis, R.I.C.C. (2011). Data weighting in statistical fisheries stock assessment models. *Can. J. Fish. Aquat. Sci.* 68: 1124-1138. <https://doi.org/10.1139/f2011-025>

*file:* [*comp\_lenfit\_data\_weighting\_TA1.8\_SEAMAP.png*](http://docs.google.com/comp_lenfit_data_weighting_TA1.8_SEAMAP.png)

**

Length comps, aggregated across time by fleet.

Labels 'retained' and 'discard' indicate discarded or retained sampled for each fleet. Panels without this designation represent the whole catch.

*file:* [*comp\_lenfit\_\_aggregated\_across\_time.png*](http://docs.google.com/comp_lenfit__aggregated_across_time.png)

**

Pearson residuals, comparing across fleets

Closed bubbles are positive residuals (observed > expected) and open bubbles are negative residuals (observed < expected).

*file:* [*comp\_lenfit\_\_multi-fleet\_comparison.png*](http://docs.google.com/comp_lenfit__multi-fleet_comparison.png)